Deere & Company Future Skills Needed

Advanced Manufacturing Skills

- Skills Needed Salaried Employees
 - o Product Development
 - Electronics & Embedded Software Engineers
 - Composite Materials
 - Global positioning systems & satellite communications
 - Technologies for Manufacturing Processes
 - Robotics
 - Weld Systems
 - Advanced Machining Systems
 - Automation-Mistake proofing systems
 - RFID systems (radio frequency ID's)
 - Computer Controlled Machines
 - Logic systems, sensors, etc.
 - Manufacturing Support of Operations
 - Welding Technology
 - Laser Cutting
 - Engineers in general
 - Multi-lingual (Spanish, Portuguese, Mandarin, Russian)

Skills Needed - Production Employees & Maintenance Employees

- Manufacturing Processes
 - Robotics-operation
 - Welding processes operation
 - CNC Machines operation
 - Fundamental control systems-operation
 - Assembly
 - Interpret instructions in electronic format
- o Maintenance Systems
 - Programmable logic controllers
 - Electronics in general
 - Presence Sensing Devices

Iowa Community Colleges & Regent Universities

- Complex Issue
 - Enhance existing programs and create new programs: Machining,
 Production & Maintenance Welding, Assembly
 - Community Colleges need instructors, equipment and programs
 - Community Colleges need stability and continued support for job training programs offered to employers throughout the State
 - Need shorter cycle time for student completion of community college skilled trade programs
 - Need an "lowa" source for welding engineering